

Clean Tech Vehicle Overview August 17, 2010

Keith Lovgren,
PG&E – Workforce Development





PG&E's Viewpoint on Workforce Development

The demand for skilled craftworkers is great and growing

- The green energy economy will require the same skill sets and more

We must collectively focus resources and efforts to create the local talent pool

- Outreach, training, onboarding, and upskilling must be comprehensive and factor in California's demographics

Programs should deliver the right people with the right skills into business at the right time

Clean Energy Job Examples

Electrical Engineer

Energy Conservation Auditor

Wind Turbine Technician

Instrument Technician

System Operator

Solar Installer

**Construction Foreman for Solar PV and Wind Generation
Farms**

Welders for Wind and Solar PV Farms

TRADITIONAL BLUE COLLAR GOES GREEN TOO

30% of PG&E energy supplies will come from renewable resources by 2010.

We must build an infrastructure to transmit power from Wind and Solar farms into our grid.

We must deploy technology and metering systems that are a part of a smart grid.

We have a hiring need for many traditional blue collar jobs that will take on the green cause too.

PG&E Transportation Services

- Responsible for maintaining over 12,000 assets.
- PG&E operates the largest alternative fueled and high efficiency vehicle utility fleet in the nation.
- We were recently ranked #1 as the greenest utility fleet in the country by Automotive Fleet Magazine.
- In late 2009-2010, PG&E acquired nearly 300 GM and Ford Hybrid light trucks.
- Fleet mechanics must be upskilled quickly to keep pace with new vehicle technologies

·

2010 Hybrid Training – PG&E Incumbent Mechanics

- **Train the Trainer – PG&E trained 14 community college instructors representing 8 colleges on GM and Ford Hybrid trucks.**
- **Community College instructors trained over 250 PG&E mechanics in 3 months at 6 different locations.**

Results:

Over 95% of mechanics passed the certification exam upon completion of training.

Professional and curriculum development for college instructors

2010 PowerPathway Bridge to Utility Mechanic Program

- . Goal to provide upskilling to potential applicant pool.
- . Worked with SETA to outreach and screen over 400 applicants.
- . Preference given to recently discharged Veterans.
- . American River College provided training to 31 selected participants.
- . Focus on GM and Ford Trucks and Air Brakes.
- . Training completed in August with PowerPathway certificates of completion given to 30 graduates.
- . Most are applying to jobs now – testing and interviewing results are pending.

Clean Energy Jobs

Discussion/Questions?

